

## **Focus Area 15: Injury and Violence Prevention**

**Objective 15-1** calls for reduction in the hospitalization rate for nonfatal head injuries to 54.0 per 100,000 population.

Hospital discharge data indicate a significant increase in age-adjusted rates for nonfatal head injuries among California residents from 64.9 per 100,000 in 2000 to 70.8 per 100,000 in 2005 (Figure 15-1, Table 15-1). These rates are significantly higher than the HP2010 objective, and increasing away from the target of 54.0 per 100,000 population.

Nonfatal head injury hospitalization rates for males (97.8 per 100,000 in 2005) were more than twice the rates for females (44.2 per 100,000 in 2005), and significantly higher than the HP2010 objective. This HP2010 objective is being achieved for females but not for males as of 2005.

Examined by race and ethnicity, the highest nonfatal head injury hospitalization rates were found for Whites (statistically significant increase from 68.1 per 100,000 in 2000 to 77.0 per 100,000 in 2005), followed by Blacks/African Americans (76.7 per 100,000 in 2005), and by Hispanics/Latinos (64.3 per 100,000 in 2005). Hospitalization rates for Asians/Pacific Islanders and for American Indians/Alaska Natives were significantly lower than the HP2010 target, and this objective is being achieved for these two racial and ethnic populations.

Selected populations of persons aged 75 years and over experienced rates that were four times higher than the HP2010 target, while males aged 15-25 years had rates that were more than twice as high as the HP2010 target. The HP2010 objective is not being achieved for either of these two selected age and gender groups, and their rates are increasing significantly away from the target.

For more information on nonfatal head injuries, visit the CDHS Chronic Diseases and Injury Control (CDIC) Web site at: <http://www.dhs.ca.gov/ps/cdic/>

And the Epidemiology and Prevention for Injury Control (EPIC) Web site at: <http://www.dhs.ca.gov/epic/>

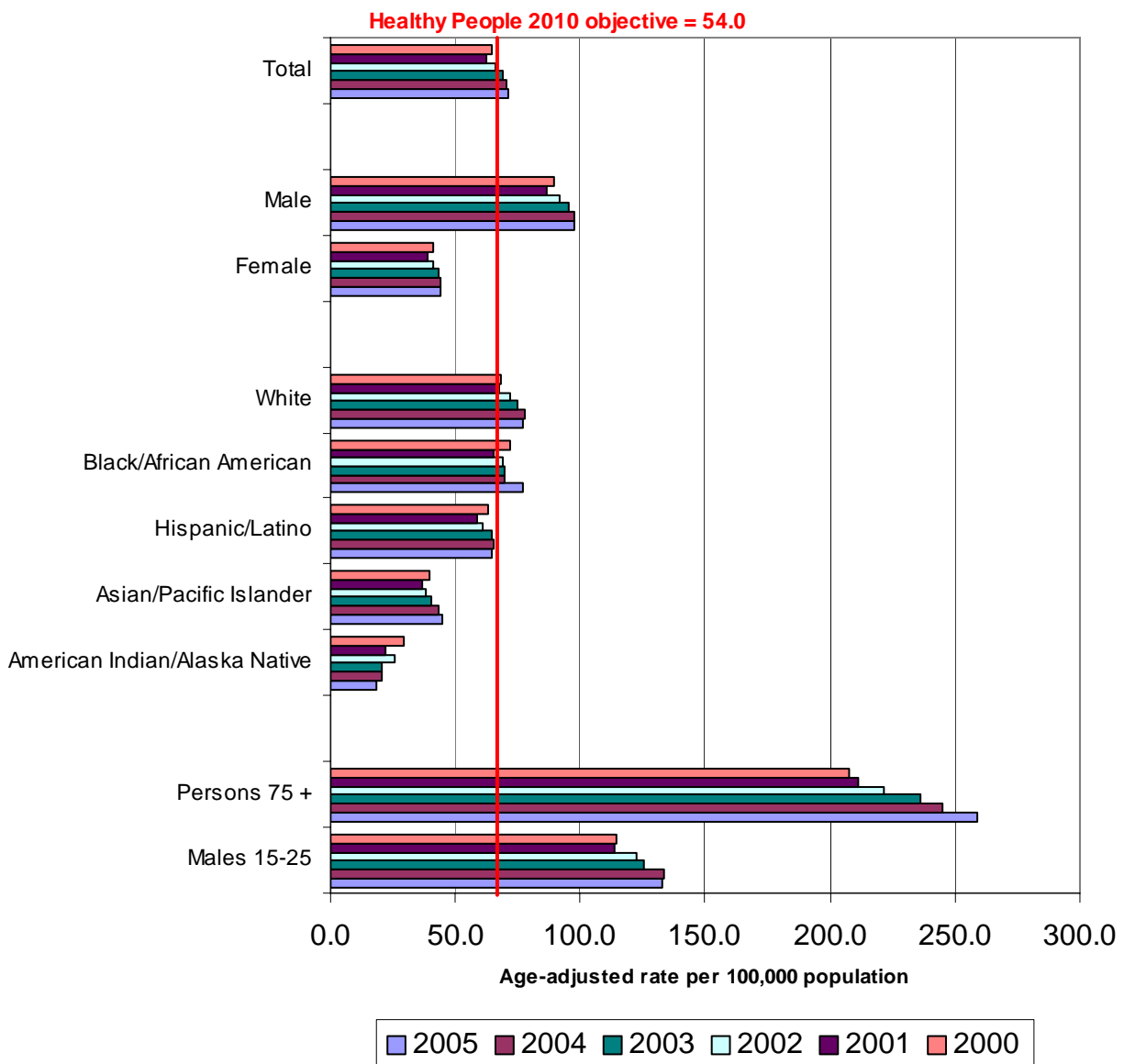
For more information on Healthy People 2010 objective 15-1, please visit:

<http://www.healthypeople.gov/Document/HTML/Volume2/15Injury.htm>

and

<http://www.healthypeople.gov/Document/html/tracking/od15.htm>

**Figure 15-1**  
**Nonfatal Head Injury Hospitalization Rates**  
**California, 2000-2005**



**Table 15-1: Nonfatal Head Injury Hospitalization Rates, California 2000-2005**

Objective 15-1	2000		Lower C.I.	Upper C.I.	2001		Lower C.I.	Upper C.I.
	N	Rate <sup>1</sup>			N	Rate <sup>1</sup>		
<b>Healthy People 2010 Target</b>		<b>54.0</b>				<b>54.0</b>		
<b>Statewide Total</b>	21,467	64.9	64.0	65.8	21,068	62.2	61.4	63.1
<b>Race-Ethnicity</b>								
American Indian/Alaska Native	54	29.3	21.2	37.4	46	22.0	15.3	28.7
Asian/Pacific Islander	1,329	39.8	37.5	42.0	1,316	36.9	34.8	38.9
Black/African American	1,548	71.9	68.3	75.6	1,425	65.1	61.6	68.5
Hispanic/Latino	5,993	62.8	60.8	64.7	5,742	58.5	56.7	60.4
White	11,259	68.1	66.8	69.3	11,233	67.4	66.1	68.7
<b>Gender</b>								
Female	7,036	41.0	40.0	42.0	6,837	38.7	37.8	39.7
Male	14,431	89.8	88.3	91.3	14,230	86.5	85.1	88.0
<b>Selected Populations<sup>2</sup></b>								
Males aged 15-25	3,188	114.3	110.3	118.3	3,221	113.5	109.6	117.4
Persons aged 75 and over	3,597	207.5	200.8	214.3	3,838	211.1	204.4	217.7

Objective 15-1	2002		Lower C.I.	Upper C.I.	2003		Lower C.I.	Upper C.I.
	N	Rate <sup>1</sup>			N	Rate <sup>1</sup>		
<b>Healthy People 2010 Target</b>		<b>54.0</b>				<b>54.0</b>		
<b>Statewide Total</b>	22,831	66.0	65.1	66.9	24,379	69.0	68.1	69.9
<b>Race-Ethnicity</b>								
American Indian/Alaska Native	55	25.4	18.2	32.6	54	20.2	14.7	25.7
Asian/Pacific Islander	1,399	38.3	36.2	40.3	1,541	40.7	38.6	42.7
Black/African American	1,556	68.9	65.4	72.4	1,610	69.4	65.9	72.8
Hispanic/Latino	6,286	61.1	59.3	62.9	6,770	64.4	62.6	66.2
White	12,104	71.8	70.5	73.1	12,748	74.7	73.4	76.0
<b>Gender</b>								
Female	7,379	40.8	39.9	41.7	8,001	43.3	42.3	44.2
Male	15,450	91.5	90.0	93.0	16,375	95.0	93.6	96.5
<b>Selected Populations<sup>2</sup></b>								
Males aged 15-25	3,527	122.3	118.3	126.3	3,697	125.7	121.6	129.7
Persons aged 75 and over	4,201	221.4	214.8	228.1	4,619	236.3	229.5	243.1

Objective 15-1	2004		Lower C.I.	Upper C.I.	2005		Lower C.I.	Upper C.I.
	N	Rate <sup>1</sup>			N	Rate <sup>1</sup>		
<b>Healthy People 2010 Target</b>		<b>54.0</b>				<b>54.0</b>		
<b>Statewide Total</b>	25,225	70.4	69.6	71.3	25,718	70.8	69.9	71.6
<b>Race-Ethnicity</b>								
American Indian/Alaska Native	53	20.2	14.8	25.7	57	18.7	13.9	23.6
Asian/Pacific Islander	1,708	43.5	41.5	45.6	1,822	44.5	42.5	46.6
Black/African American	1,665	69.7	66.3	73.0	1,842	76.7	73.2	80.2
Hispanic/Latino	7,197	65.2	63.7	66.7	7,284	64.3	62.9	65.8
White	13,178	77.5	76.1	78.8	13,145	77.0	75.7	78.3
<b>Gender</b>								
Female	8,180	43.8	42.8	44.7	8,405	44.2	43.2	45.1
Male	17,040	97.5	96.0	99.0	17,313	97.8	96.3	99.2
<b>Selected Populations<sup>2</sup></b>								
Males aged 15-25	4,023	133.5	129.3	137.6	4,115	132.9	128.8	136.9
Persons aged 75 and over	4,821	245.1	238.2	252.0	5,142	258.9	251.9	266.0

SOURCES: Office of Statewide Health Planning and Development, Patient Discharge Data, 2000-2005;

CA Department of Finance, Demographic Research Unit, *Population Projections by Race/Ethnicity for California and Its Counties 2000-2050*, May 2004.

Notes: \* ICD-9-CM codes 800-801, 803-804, 850-854, 870-873, and 925 as a Principal Diagnosis.

<sup>1</sup> Rate per 100,000 population, age-adjusted using the 2000 US Standard Population.

<sup>2</sup> Age- and sex-specific rate for males aged 15-25; age-specific rate for persons aged 75 and over.